Michael Raymond Hardisty

List of Publications by Year
in descending order

16 papers	181 citations	1307594 7 h-index	1125743 13 g-index
18 all docs	18 docs citations	18 times ranked	226 citing authors

#	Article	IF	Citations
1	Shoulder physiotherapy exercise recognition: machine learning the inertial signals from a smartwatch. Physiological Measurement, 2018, 39, 075007.	2.1	64
2	Quantitative characterization of metastatic disease in the spine. Part II. Histogramâ€based analyses. Medical Physics, 2007, 34, 3279-3285.	3.0	27
3	Importance of the dome and posterior wall as evidenced by bone density mapping in the acetabulum. Clinical Biomechanics, 2011, 26, 262-266.	1.2	13
4	Acetabular orientation: anatomical and functional measurement. International Journal of Computer Assisted Radiology and Surgery, 2012, 7, 233-240.	2.8	12
5	Adherence Tracking With Smart Watches for Shoulder Physiotherapy in Rotator Cuff Pathology: Protocol for a Longitudinal Cohort Study. JMIR Research Protocols, 2020, 9, e17841.	1.0	12
6	Restoration of Thickness, Density, and Volume for Highly Blurred Thin Cortical Bones in Clinical CT Images. Annals of Biomedical Engineering, 2016, 44, 3359-3371.	2.5	8
7	Shape Completion by U-Net: An Approach to the AutoImplant MICCAI Cranial Implant Design Challenge. Lecture Notes in Computer Science, 2020, , 65-76.	1.3	7
8	Elevated Microdamage Spatially Correlates with Stress in Metastatic Vertebrae. Annals of Biomedical Engineering, 2019, 47, 980-989.	2.5	6
9	Spatial correspondence of spinal cord white matter tracts using diffusion tensor imaging, fibre tractography, and atlas-based segmentation. Neuroradiology, 2021, 63, 373-380.	2.2	6
10	Relationships between inhalable and total hexavalent chromium exposures in steel passivation, welding and electroplating operations of Ontario. International Journal of Hygiene and Environmental Health, 2020, 230, 113601.	4.3	5
11	Virtual reality as a learning tool in spinal anatomy and surgical techniques. North American Spine Society Journal (NASSJ), 2021, 6, 100063.	0.5	5
12	A U-Net Based System forÂCranial Implant Design withÂPre-processing andÂLearned Implant Filtering. Lecture Notes in Computer Science, 2021, , 63-79.	1.3	5
13	CT based quantitative measures of the stability of fractured metastatically involved vertebrae treated with spine stereotactic body radiotherapy. Clinical and Experimental Metastasis, 2020, 37, 575-584.	3.3	3
14	Biomechanical Properties of Metastatically Involved Osteolytic Bone. Current Osteoporosis Reports, 2020, 18, 705-715.	3.6	3
15	Detection of Low Back Physiotherapy Exercises With Inertial Sensors and Machine Learning: Algorithm Development and Validation. JMIR Rehabilitation and Assistive Technologies, 2022, 9, e38689.	2.2	2
16	Automated segmentation of osteoblastic vertebral metastasis: a radiomics approach. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 0, , 1-8.	1.9	0